

a logic decision gate having a plurality of inputs with each input receiving said respective electrical output signal wherein a single output of said decision gate is connected to a second input of each of said plurality data exchange modules.

6. The data bus according to Claim 5, wherein each of said data exchanges comprises an opto-electrical transducer wherein an output of said nodes is connected through an optical transmission element to said opto-electronic transducer.

7. The data bus according according to Claim 5, further comprising a signal preparation circuit positioned between said logic decision gate and said second input of said data exchange wherein said signal preparation circuit includes means for adjusting the output signal to a pulse form.

8. The data bus according to Claim 5, further comprising additional logic decision gates positioned between an output of said signal preparation circuit and one of said nodes.

9. An improved method of exchanging data among a plurality of nodes, comprising the steps of:

providing a logical decision gate having a plurality of inputs corresponding to the number of plurality of nodes;
outputting information from each of said plurality of nodes;

converting said information into perspective electrical outputs;

providing said electrical outputs to said inputs of said logical decision gate; and providing an output of said logical decision gate transforming said output and providing said transformed output to an input of each of said nodes.

10. The method according to Claim 9, including the further step of providing a signal preparation circuit between said logic decision gate output and said plurality of nodes in order to provide a pulse formation adjustment of said output signal. --

IN THE ABSTRACT:

Please add an Abstract of the Disclosure submitted herewith on a separate page.

REMARKS

No new matter is added by the above amendment and applicant therefore request a full and thorough examination on the merits of this application containing Claim 5-10.

Entry of the amendments to the specification, claims and abstract before examination of the application is respectfully requested.

If there are any questions regarding this Preliminary Amendment or this application in general, a telephone call to the